

In the claims:

Claims 1-9 cancelled.

10. (currently amended) A method for operating an internal combustion engine with oil lubrication and electronic fuel injection, the method comprising the steps of determining during operation of the internal combustion engine a flow of fuel mass (mkp\_i\_oel) entering an engine oil; determining a flow of fuel mass (mkp\_ausg) evaporating out of oil; and determining a setpoint injected-fuel quantity (rk\_ev) with taking into account the determined flow of fuel mass (mkg-ausg) revaporating out of oil.

11. (previously presented) A method as defined in claim 10; and further comprising determining a flow of fuel mass (mkp\_ausgr) flowing into an intake manifold based on the determined flow of fuel mass evaporating out of the oil (mkp\_saug); and taking the determined flow of fuel mass flowing into the intake manifold in the determination of the setpoint injected-fuel quantity (rk\_ev).

12. (currently amended)) A method as defined in claim 10; and further comprising ~~during operation of the internal combustion engine,~~ determining ~~a flow of fuel mass (mkp\_i\_oel) entering an engine oil;~~ and to the flow of fuel mass (mkp\_i\_oel) taking into account at least one of the following influencing variables:

- Enrichment factors during start, a post-start phase, and/or warm-up

(fst\_w, fnst\_w, fwl\_w) of the internal combustion engine

- Engine temperature (tmot) and/or oil temperature (toel)

- Engine speed (nmot)

- Load value (rl)

- A component temperature in the intake port

- Temperature in the combustion chamber

- Fuel type (KS)

- An assigned lambda setpoint value (LS)

13. (previously presented) A method as defined in claim 10; and further comprising in the determining of the flow of fuel mass (mkp\_ausg), evaporating out of the engine oil, taking into account at least one of the following influencing variables.

- Oil temperature (toel)

- Oil temperature gradient over time

- Fuel mass in the oil (mk\_i\_oel)

- Fuel type (KS)

- Pressure in the crankcase (pk)

14. (previously presented) A method as defined in claim 10; and further comprising, in the determining of the flow of fuel mass (mkp\_ausg)

entering the intake manifold, taking into account one of the following influencing variables:

- Pressure in the crankcase ( $p_k$ )
- Pressure in the intake manifold ( $p_s$ )
- Pressure upstream of a throttle valve ( $p_u$ )
- Position of a crankcase ventilation valve (SKEV)
- Temperature of the engine oil ( $toel$ )
- Concentration of the fuel gases in the crankcase due to blow-by gases

15. (previously presented) A method as defined in claim 10; and further comprising determining a fuel mass ( $mk_{i\_ocl}$ ) contained in an engine oil, by taking into account a flow of fuel mass ( $mkp_{i\_oel}$ ,  $mkp_{ausg}$ ) entering the engine oil and evaporating out of the engine oil.

16. (previously presented) A method as defined in claim 11; and further comprising converting a value selected from the group consisting of the flow of fuel mass ( $mkp_{saugr}$ ) flowing into the intake manifold or the flow of fuel mass ( $mkp_{ausg}$ ) during evaporation, as a function of an engine speed, into an equivalent injected-fuel quantity; and subtracting from an uncorrected setpoint injected-fuel quantity, with a result being a corrected setpoint injected-fuel quantity  $rk_{ev}$ .

17. (previously presented) A method as defined in claim 10; and further comprising, if a second fuel type is also injected, calculating a fuel mass in the oil for the fuel type that was also injected.

18. (currently amended) A control unit for an internal combustion engine, the control unit is configured and programmed for use with a method for operating an internal combustion engine with oil lubrication and electronic fuel injection, the method comprising the steps of determining during operation of the internal combustion engine a flow of fuel mass ( $m_{kp\_i\_oil}$ ) entering an engine oil; determining a flow of fuel mass ( $m_{kp\_ausg}$ ) evaporating out of oil; and determining a setpoint injected-fuel quantity ( $r_{k\_ev}$ ) with taking into account the determined flow of fuel mass ( $m_{kp\_ausg}$ ) evaporating out of oil.